Notice of Allowability	Application No.	Applicant(s)	
	09/835,876	VANGE ET AL.	
	Examiner	Art Unit	
	Shawki S. Ismail	2155	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to *RCE amendment received on April 27, 2006*.

2. ☒ The allowed claim(s) is/are *1, 5-9, 11-16 and 32-34 re-numbered 1-15*.

3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
   a) ☐ All b) ☐ Some* c) ☐ None of the:
      1. ☐ Certified copies of the priority documents have been received.
      2. ☐ Certified copies of the priority documents have been received in Application No. _____ .
      3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

   * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.

5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
   (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
   (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.

   Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).

6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____ .
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

SALEH NAJJAR
SUPERVISORY PATENT EXAMINER

EXAMINERS AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and /or additions by unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such amendment, it must be submitted no later than the payment of the issue fee.

2. Authorization for this examiner's amendment was given in a telephone interview with Kent A. Lembke (Reg. No. 44,866) on July 19, 2006.

3. The application has been amended as follows:

Claims 1, 4, 9, 15 17 and 18 have been replaced with the following amended claims.

4. 1. (Currently Amended) A method for implementing functionality within a network on behalf of first and second computers communicating with each other through the network, the method comprising the acts of:

providing a front-end computer within the network having an interface for communicating data traffic with the first computer, wherein the front-end computer implements a web server;

providing a back-end computer within the network having an interface for communicating data traffic with the second computer, wherein the back-end computer implements a web server;

providing a communication channel coupling the front-end computer and the back-end computer;

encoding data traffic over the communication channel in a first process in the front-end computer;

encoding data traffic over the communication channel in a second process in the back-end computer,

decoding the encoded data traffic from the front-end computer in a third process in the back-end computer; ~~and~~

decoding the encoded data traffic from the back-end computer in a fourth process in the front-end computer,

wherein the first, second, third, and fourth processes implement preselected compatible semantics to perform the encoding and the decoding on the data traffic;

wherein the preselected compatible semantics comprise processes for sharing operational information for the front-end and back-end computers and wherein the act of encoding comprises:

communicating quality of service information about the communication channel between the front-end and back-end computers.

4. (Cancelled)

9. (Currently Amended) A system for transporting data through a network comprising:

a plurality of client applications generating requests for network services;

a plurality of network servers configured to provide services in response to received requests;

a front-end web server within the network having a first interface configured to handle request/response traffic with the client applications;

a back-end web server within the network having a first interface configured to

handle request/response traffic with a selected set of network servers;

a communication channel through the network between the front-end web server and the back-end web server;

encoding the request/response traffic over the communication channel in a first process in the front-end computer;

encoding the request/response traffic over the communication channel in a second process in the back-end computer,

decoding the encoded request/response traffic from the front-end computer in a third process in the back-end computer;

decoding the encoded request/response traffic from the back-end computer in a fourth process in the front-end computer,

wherein the first, second, third, and fourth processes implement preselected compatible semantics to perform the encoding and the decoding on the request/response traffic;

wherein the preselected compatible semantics comprise processes for sharing operational information for the front-end and back-end computers and wherein the act of encoding comprises communicating quality of service information about the communication channel between the front-end and back-end computers; and

wherein the front-end server and the back-end server are time synchronized and the back-end server comprises means for ascertaining when a request/response was issued by the front–end server.

15. (Currently Amended) A system for transporting data through a network comprising:

a plurality of network-connected applications generating requests for network services;

a plurality of network-connected computers configured to provide services in response to received requests;

a plurality of front-end web computers each having at least one interface configured to handle request/response traffic with the network-connected applications;

a plurality of back-end web computers each having at least one interface configured to handle request/response traffic with a selected set of the network-connected computers; and

a many-to-many communication channel through the network between the front-end computers and the back-end computers, ~~wherein the front-end web computers each comprise means for encoding the request/response traffic including inserting lime-based synchronization information as defined by a semantic common among the front-end and the back-end web computers, wherein the back-end computers each comprise means for decoding the encoded request/response traffic from any of the front-end web computers based on the common semantic and wherein the back-end web computers comprise means for determining when the encoded request/response traffic was issued by the front-end servers.~~

encoding the request/response traffic over the communication channel in a first process in the front-end computer;

encoding the request/response traffic over the communication channel in a second process in the back-end computer,

decoding the encoded request/response traffic from the front-end computer in a third process in the back-end computer;

decoding the encoded request/response traffic from the back-end computer in a fourth process in the front-end computer,

wherein the first, second, third, and fourth processes implement preselected compatible semantics to perform the encoding and the decoding on the request/response traffic;

wherein the preselected compatible semantics comprise processes for sharing operational information for the front-end and back-end computers and wherein the act of encoding comprises communicating quality of service information about the communication channel between the front-end and back-end computers; and

wherein the front-end computer and the back-end computer are time synchronized and the back-end server comprises means for ascertaining when a request/response was issued by the front–end computer.

17. (Cancelled).

18. (Cancelled).

REASONS FOR ALLOWANCE

4. Claims 1, 5-9, 11-16 and 32-34 re-numbered 1-15 are allowable over the prior art of record.

This communication warrants no examiner's reason for allowance, as applicant's reply makes evident the reason for allowance, satisfying the record as whole as required by rule 37 CFR 1.104 (e). In this case, the substance of applicant's remarks in the Amendment filed on 01 February 2006 with respect to the amended claim limitations and further amended claim limitations in the Examiner's Amendment filed on 23 July 2006 point out the reason claims are patentable over the prior art of record. Thus, the reason for allowance is in all probability evident from the record and no statement for examiner's reason for allowance is necessary (see MPEP 13202.14).

5. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submission should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shawki S Ismail whose telephone number is 571-272-3985. The examiner can normally be reached on M-F 8:30 - 5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Saleh Najjar can be reached on 571-272-4006. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Shawki Ismail
Patent Examiner
July 24, 2006

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SUPERVISORY PATENT EXAMINER